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- 1. An offset correction circuit to correct DC offset in accordance with a data rate, comprising:
  - a detection circuit to detect a thermal asperity signal; and
- a filter circuit to respond to said thermal asperity signal in accordance with said data rate.
- 2. An offset correction circuit, as in Claim 1, wherein said filter circuit affects said DC offset in accordance with said data rate.
  - 3. An offset correction circuit, as in Claim 1, wherein said filter circuit is a transconductance circuit.
  - 4. An offset correction circuit, as in Claim 3, wherein said transconductance circuit shunts current in accordance with said data rate.
  - 5. An offset correction circuit, as in Claim 3, wherein said transconductance circuit includes a FET to shunt current in accordance with said data rate.
  - 6. A disk drive system for reading and writing information on a disk, comprising:
    - a head to read/write information on said disk;
    - a preamplifier to amplify said information; and
  - a read channel to process said amplified information, said read channel including:
    - an offset correct circuit to correct DC offset in accordance with a data rate, said offset correction circuit including:
      - a detection circuit to detect a thermal asperity signal; and
      - a filter circuit to respond to said thermal asperity signal in accordance with said data rate.

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- 7. A disk drive system, as in Claim 6, wherein said filter circuit affects said DC offset in accordance with said data rate.
- 5 8. A disk drive system, as in Claim 6, wherein said filter circuit is a transconductance circuit.
  - 9. A disk drive system, as in Claim 8, wherein aid transconductance circuit shunts current in accordance with said data rate.
  - 10. A disk drive system, as in Claim 8, wherein said transconductance circuit includes a FET to shunt current in accordance with said data rate.